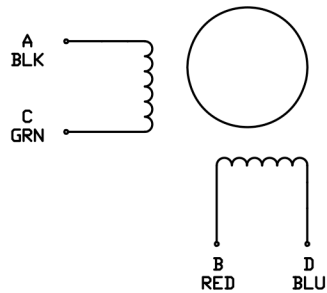


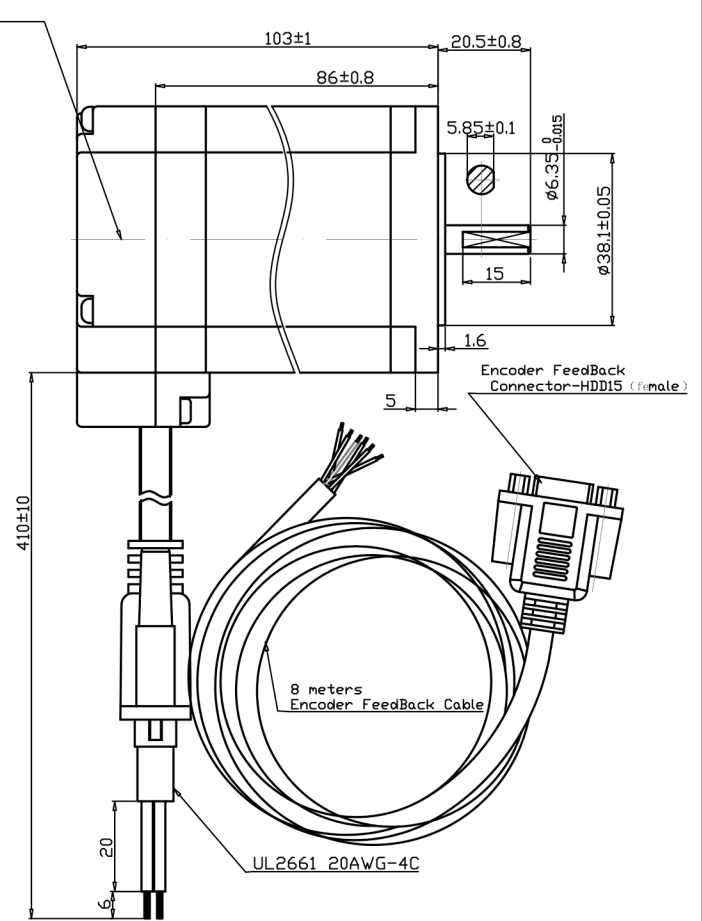
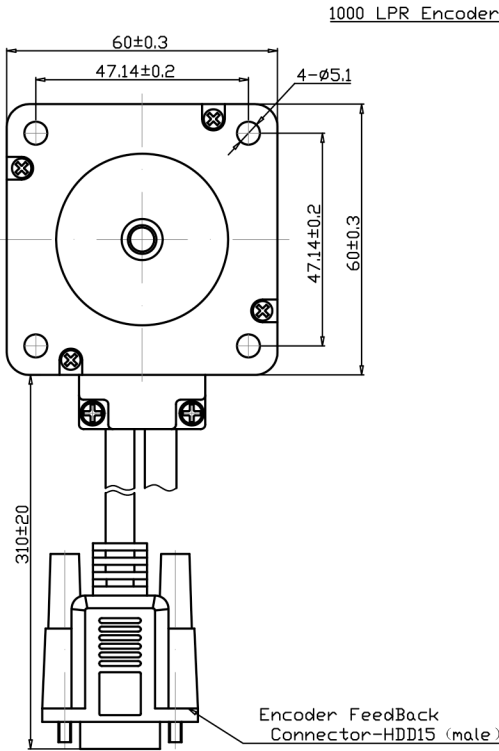
KL23-28-1000

Wiring Diagram



SPECIFICATIONS:

1	Number of Phase	2
2	Step Angle	1.8° ± 5%
3	Motor Holding Torque	425 oz. in
4	Voltage	2.03VDC
5	Current	4.5A
6	Phase Resistance (20°C)	0.45 ± 10% Ω
7	Phase Inductance (1KHz)	2.0 ± 20% mH
8	Rotor Inertia	930 g · cm ²
9	Insulation Resistance	100MΩ 500VDC
10	Insulation Class	B (130°C)
11	Ambient Temperature	-20°C to 50°C
12	Ambient Humidity	15% to 95%
13	Motor Weight	Approx 1.5 kg
14		

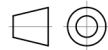


EncoderFeedback Cable wires Assignment

Color	Name	I/O	Description
Red	VCC	I	+5V@100 mA max
White	EGND	GND	Signal ground and power ground
Blue	EA-	□	Encoder channel A- output
Black	EA+	□	Encoder channel A+ output
Green	EB-	□	Encoder channel B- output
Yellow	EB+	□	Encoder channel B+ output

Unit:mm

First angle method



Tolerances for linear and angular dimensions without individual tolerance indications
GB/T 1804-m eqv ISO 2768-1:m

Geometrical tolerances for features without individual tolerance indications
GB/T 1184-k eqv ISO 2768-2:k

UNLESS OTHERWISE SPECIFIDE

DESIGN	xie	20201217
CHECK		
TECHNOLOGY		
STANDARD		
APPROVE		
NAMES	SINGATURE	DATE

STEPPER MOTOR

TYPE: HYBRID STEPPER MOTOR SCALE XX Rev. 1.0 SHEET 1 OF 1

Model: KL23-28-1000

6	V3.0	HTPS2102021	20210203
	V2.0	HTPS202101192	20210119
	V1.0	HTPS2012162	20201217
	REV.	REVISION RECORD	DATE